

Recovery Plan Action Status

Plan Name: Price's Potato Bean

Plan Status: Final

Plan Date: 10-Feb-93

Lead Agency: USFWS

Lead Office: Tennessee Ecological Services Field Office

(528-6481)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Price's potato-bean (Apios priceana)	1	1	Prioritize sites	Ongoing Not Current	Prior to FY 1995		Alabama Natural Heritage Program , Tennessee Department of Conservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Research: Other Information	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert	
Price's potato-bean (Apios priceana)	1	10	Study pollination	Ongoing Current	FY 2009		Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Dr. Robert Boyd initiated study during 2009 at Redstone Arsenal, AL.
Price's potato-bean (Apios priceana)	1	11	Study vegetative reproduction	Not Started			Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Technical Assistance, Species Expert	1 person, 3 weeks and \$500 for equipment the first year. 1 person, 2 weeks subsequent years
Price's potato-bean (Apios priceana)	1	12	Study seed biology	Ongoing Current	FY 2009		Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Dr. Robert Boyd initiated study during 2009 at Redstone Arsenal, AL. MO Botanical Garden studying influence of temp and light on seed germination and viability.

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Price's potato-bean (<i>Apios priceana</i>)	2	13	Search new populations within known range	Ongoing Current	Prior to FY 1995		Alabama Natural Heritage Program , Tennessee Department of COnservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Illinois Natural heritage Inventory, Mississippi Natural Heritage Program	Research: Population Surveys	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	TDEC discovered six new populations in 2009.
Price's potato-bean (<i>Apios priceana</i>)	2	14	Analyze soils	Partially Complete	Prior to FY 1995		Alabama Natural Heritage Program , Tennessee Department of COnservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Research: Habitat Status	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	1 person, 1 week, 4 state and \$1000 for analysis
Price's potato-bean (<i>Apios priceana</i>)	2	15	Determine rhizobial associates	Not Started			Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Research: Habitat Requirements	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	1 person, 4 weeks, \$1500 for equipment
Price's potato-bean (<i>Apios priceana</i>)	2	16	Observe impact of pest damage	Not Started			Alabama Natural Heritage Program , Tennessee Department of COnservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Research: Predation	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Funding for this included in long-term demography study

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Price's potato-bean (<i>Apios priceana</i>)	2	17	Determine genetic diversity and chromosome numbers	Not Started			Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Research: Genetics	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	1 person, 6 weeks collecting plants, 8 weeks lab work, \$2000 for equipment
Price's potato-bean (<i>Apios priceana</i>)	2	18	Collect and deposit seeds into seedbank	Ongoing Current	FY 1995 - FY 1999		U.S. Department of Agriculture, Center for Plant Conservation, Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Research: Other Information	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Volunteer	seed in storage through CPC
Price's potato-bean (<i>Apios priceana</i>)	2	19	Maintain plant et situ	Ongoing Not Current	FY 1995 - FY 1999		Center for Plant Conservation, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Research: Other Information	Internal Administrative, Internal Technical Assistance, Volunteer	plants maintain in CPC's National Collection of Endangered Plants- MOBOT
Price's potato-bean (<i>Apios priceana</i>)	1	2	Contact landowners and negotiate protection	Ongoing Current	Prior to FY 1995		The Nature Conservancy, Alabama Natural Heritage Program , Tennessee Department of Conservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Acquisition: Easement, Acquisition: Exchange, Acquisition: Fee Title, Acquisition: General, Acquisition: Lease, Acquisition: Management Agreement, Management: Land Use, Other: Information and Education, Other: Regulations	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	1 person, 3 weeks, 4 states. Cost of possible acquisitions not included

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Price's potato-bean (<i>Apios priceana</i>)	3	20	Reestablish/establish new populations if necessary	Obsolete			Center for Plant Conservation, Alabama Natural Heritage Program , Tennessee Department of Conservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Research: Reintroduction	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	\$12,000 in the future if necessary. 1 person, 4 weeks, 4 states for field work and monitoring
Price's potato-bean (<i>Apios priceana</i>)	3	21	Search for new populations outside of known range	Ongoing Current	FY 2009		Indiana Natural Heritage Program, Ohio Natural Heritage Program, Alabama Natural Heritage Program , Louisiana Natural Heritage Program , Virginia Natural Heritage Program, U.S. Fish and Wildlife enhancement, West Virginia Natural Heritage Program, North Carolina Natural Heritage Program, USFWS Regional Office 4, Georgia Natural Heritage Inventory, Missouri Natural Heritage Inventory	Research: Population Surveys	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	1 person, 4 weeks, 9 states
Price's potato-bean (<i>Apios priceana</i>)	3	22	Education efforts	Partially Complete	Prior to FY 1995		Center for Plant Conservation, Alabama Natural Heritage Program , Tennessee Department of Conservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Other: Information and Education	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Price's potato-bean (Apios priceana)	1	3	Develop management plans	Partially Complete	Prior to FY 1995		The Nature Conservancy, U.S. Army Corps of Engineers, Tennessee Valley Authority , Alabama Natural Heritage Program , Tennessee Department of COnservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	management plans not complete for all sites
Price's potato-bean (Apios priceana)	1	4	Determine optimal light level	Not Started	Prior to FY 1995		Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Management: Habitat Maintenance and Manipulation	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Price's potato-bean (Apios priceana)	1	5	Study effects of nutrients and water addition	Not Started			Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	1 person, 4 weeks and \$1000 for equipment first year. 1 person, 1 week subsequent year
Price's potato-bean (Apios priceana)	1	6	Control invasive species	Ongoing Current	Prior to FY 1995		Alabama Natural Heritage Program , Tennessee Department of COnservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Management: Habitat Maintenance and Manipulation	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	limited invasive control at selected sites but no scientific experimentation as of yet

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Price's potato-bean (<i>Apios priceana</i>)	1	7	Determine appropriate buffer area	Not Started			Alabama Natural Heritage Program , Tennessee Department of COnservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Price's potato-bean (<i>Apios priceana</i>)	1	8	Monitor populations	Ongoing Current	Prior to FY 1995		Alabama Natural Heritage Program , Tennessee Department of COnservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Research: Other Information	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	long-term monitoring ongoing on selected sites
Price's potato-bean (<i>Apios priceana</i>)	1	9	Study demography	Ongoing Current	FY 2009		Alabama Natural Heritage Program , Tennessee Department of COnservation , Kentucky State Nature Preserves Commission, U.S. Fish and Wildlife enhancement, USFWS Regional Office 4, Mississippi Natural Heritage Program	Research: Demographic Studies	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Dr. Robert Boyd initiated study during 2009 at Redstone Arsenal, AL.